

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2005/005581

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C335/32 C07C251/52 C07C333/18 C07C333/10 C07C327/58  
A01N47/10 A01N47/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C A01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3 510 503 A (MERVIN E. BROKKE ET AL) 5 May 1970 (1970-05-05) cited in the application table I claim 1	1-21
Y	WO 88/00183 A (FMC CORPORATION) 14 January 1988 (1988-01-14) cited in the application claims 1-20	1-21
Y	WO 94/06777 A (ZENECA LIMITED) 31 March 1994 (1994-03-31) cited in the application table I	1-21

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

8 July 2005

Date of mailing of the international search report

25/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Goetz, G

BEST AVAILABLE COPY

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2005/005581

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3510503	A	05-05-1970	NONE	
WO 8800183	A	14-01-1988	US 4748186 A AU 7543187 A CN 87104606 A PT 85203 A WO 8800183 A1 ZA 8704727 A	31-05-1988 29-01-1988 13-01-1988 01-07-1987 14-01-1988 07-01-1988
WO 9406777	A	31-03-1994	AT 151757 T AU 4977793 A CN 1098718 A ,C DE 69309941 D1 DE 69309941 T2 DK 660827 T3 EP 0660827 A1 ES 2100706 T3 WO 9406777 A1 GB 2270688 A JP 8503932 T MX 9305570 A1 TR 27040 A US 5684011 A ZA 9306708 A	15-05-1997 12-04-1994 15-02-1995 22-05-1997 04-09-1997 27-10-1997 05-07-1995 16-06-1997 31-03-1994 23-03-1994 30-04-1996 31-03-1994 10-10-1994 04-11-1997 19-05-1994